01.04.2004

Abstract

A method for reducing the latency time for interactive data communication between a server computer (6) and a client computer (2) via a satellite network (4) comprising a geostationary satellite (12), whereby a data processing application (14), in particular a database application, runs on the server computer (6) and generates screen displays of an interactive user application with several data fields (18) that are processed one after the other in a processing sequence in line with predetermined parameters (#1, #2, #3) based on commands and data entered via an input medium (30) connected to the client computer (2), and then transferred to the client computer (2) in the form of data packets essentially without acknowledgment of receipt and displayed by this client computer (2) on a display medium (26), whereby an input prompt (7) on the display medium (26) signalizes that additional data is to be entered in a corresponding data field (18) via the input medium and then transferred in the form of additional data packets via the telecommunication network (4) to the server computer (6), wherein the parameters (#1, #2, #3) for the processing sequence of the data fields (18) are transmitted via the satellite network (4) to the client computer (2); and an independent program routine (22), which runs on the client computer (2), alters the screen display independently in such a way when entering specified commands via the input medium (30, 32) based on the parameters (#1, #2, #3) for the processing sequence that the input prompt (7) within a data field (18) is moved to the next or previous data field in line with the processing sequence.

(Fig.1)

P 6090 PCT